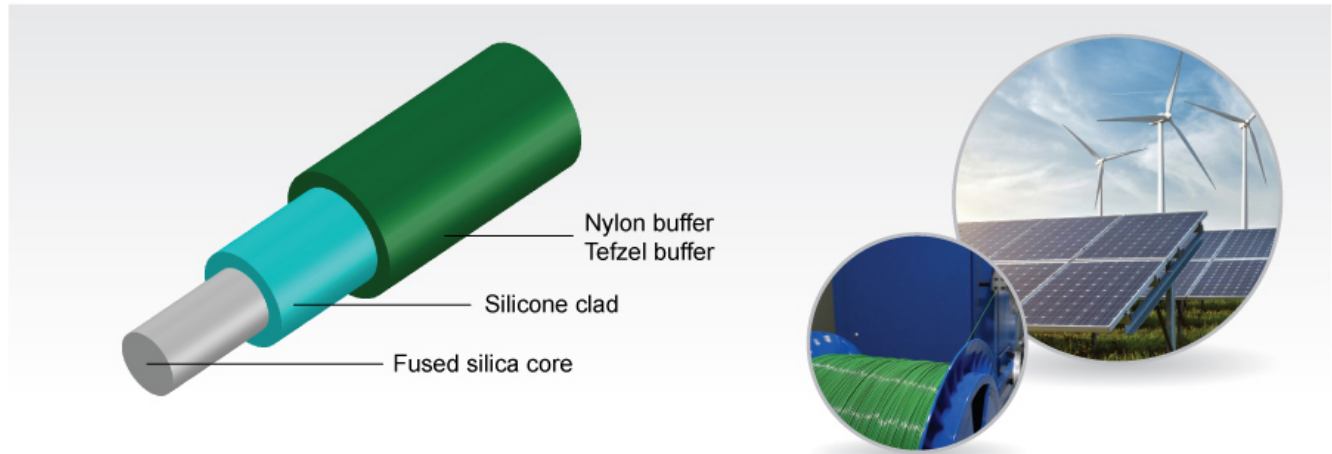


# Polymer Clad Fiber (PCF)

## Polymer Clad Fiber (PCF)



### ■ Specifications

Fused Silica Core  
 Core Sizes: 125 – 1000  $\mu\text{m}$   
 Clad Sizes: 200 – 1250  $\mu\text{m}$   
 Proof Test: 100kpsi Using 4-Axis Bend Method  
 Wavelengths: (PTUF: VIS-UV): 190 nm – 1250 nm  
 (PTIF: VIS-IR): 300 nm – 2400 nm  
 Numerical Aperture (NA): 0.37  
 Coating: Tefzel: -65°C ~ +200°C  
 Nylon: -60°C ~ +105°C

### ■ Typical Applications

Bio-Analytical Sensing,  
 Medical Laser  
 Dental Curing  
 Spectroscopy  
 Nuclear Plasma Sensing  
 Photodynamic Therapy

Silicone Clad / Tefzel Buffer		Working Temperature: -65 ~ +200°C	
Fiber Type PTIF/PTUF	Core Diameter ( $\mu\text{m}$ )	Clad Diameter ( $\mu\text{m}$ )	Coating Diameter ( $\mu\text{m}$ )
125/200/400ST37	125	200	400
200/350/500ST37	200	350	500
300/450/650ST37	300	450	650
400/500/850ST37	400	500	850
600/800/950ST37	600	800	950
800/950/1300ST37	800	950	1300
1000/1250/1650ST37	1000	1250	1650
Silicone Clad / Nylon Buffer		Working Temperature: -60 ~ +105°C	
Fiber Type PTIF/PTUF	Core Diameter ( $\mu\text{m}$ )	Clad Diameter ( $\mu\text{m}$ )	Coating Diameter ( $\mu\text{m}$ )
125/200/400SN37	125	200	400
200/350/500SN37	200	350	500
300/450/650SN37	300	450	650
400/500/850SN37	400	500	850
600/800/1000SN37	600	800	1000
800/950/1300SN37	800	950	1300
1000/1250/1650SN37	1000	1250	1650